



UNITED STATES PATENT AND TRADEMARK OFFICE

UNITED STATES DEPARTMENT OF COMMERCE
United States Patent and Trademark Office
Address: COMMISSIONER OF PATENTS AND TRADEMARKS
Washington, D.C. 20231
www.uspto.gov

APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/485,657	03/24/2000	LEONARD COLIN ANDREWS	89073	2124

7590

02/06/2003

WOOD, PHILLIPS, KATZ, CLARK & MORITMER
CITICORP CENTER
500 WEST MADISON STREET
SUITE 3800
CHICAGO, IL 60661-2511

EXAMINER

HARVEY, MINSUN OH

ART UNIT

PAPER NUMBER

2644

DATE MAILED: 02/06/2003

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.
09/485,657

Applicant(s)
ANDREWS

Examiner
MINSUN HARVEY

Art Unit
2644



-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE three MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136 (a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on Nov 27, 2002.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11; 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 1-19 is/are pending in the application.
- 4a) Of the above, claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 1-19 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claims _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on _____ is/are a) ☐ accepted or b) ☐ objected to by the Examiner.
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- 11) ☐ The proposed drawing correction filed on _____ is: a) ☐ approved b) ☐ disapproved by the Examiner.
If approved, corrected drawings are required in reply to this Office action.
- 12) ☐ The oath or declaration is objected to by the Examiner.

Priority under 35 U.S.C. §§ 119 and 120

- 13) ☐ Acknowledgement is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
a) ☐ All b) ☐ Some* c) ☐ None of:
1. ☐ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. _____.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
*See the attached detailed Office action for a list of the certified copies not received.
- 14) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. § 119(e).
a) ☐ The translation of the foreign language provisional application has been received.
- 15) ☐ Acknowledgement is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892) 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948) 5) ☐ Notice of Informal Patent Application (PTO-152)
- 3) ☒ Information Disclosure Statement(s) (PTO-1449) Paper No(s). 10 6) ☐ Other:

Art Unit: 2644

1. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

2. Claims 1 to 19 are rejected under 35 U.S.C. 103(a) as being unpatentable over “Multi-room hi-fi takes control of the home” by Lloyd in view of “The Facts About FireWire” by Wickelgren.

Lloyd discloses a distributed audio system, including: two or more speakers for the broadcast of stereo signals (separate speakers are used through out a house), a source of stereo audio signals (main hi-fi system), a stereo amplifier to amplify stereo audio signals and drive the speakers (see description for kitchen and bedroom), and a mains operated electrical power supply to provide power to the amplifier (see second column); where the amplifier is located in the same room as the speakers, and remote from the signal source and power supply (see description for kitchen and bedroom). Lloyd does not disclose power supply by means of a category 5 four pair twisted cable which provides, in respective conductors of the twisted pairs, right channel audio signals from the signal source the amplifier, left channel audio from the signal source to the amplifier and DC power from the power supply to the amplifier.

Wickelgren discloses power supply by means of a category 5 as claimed (see 1394 cable on page 21). Since Wickelgren has disclosed power supply means as claimed, it would have been

Art Unit: 2644

obvious to combine Wickelgren's teaching with Lloyd because a single cable could be used to transmit signals and power.

3. This is in response to the applicant's remark which was received on November 27, 2002.

On page 2, line 7 to 9, the applicant has argued that "none of the references, alone or in combination, discloses use of category 5 four pair twisted cable which carries signals sources to amplifiers in a stereo system and DC power from the power supply to the amplifier". The applicant's argument is not persuasive because Lloyd as modified do disclose using twisted pair wires for signals (which would be for right and left channel audio signal) and two power wires for power.

On page 2, line 10 to page 3, line 2, the applicant has argued that "contrary to the statement in the action, there is no disclosure or suggestion in the Lloyd article that the amplifier is located in a room remote from the power supply". The applicant's argument is not persuasive because as show on page 1 of Lloyd (cited by Examiner), unamplified signals are send across home (see under "Wiring up for sound: The Living Room") and the amplifier is located in a room remote from the power supply (see under "Meanwhile in the kitchen").

On page 3, line 3 to page 4, line 6, the applicant has argued that Lloyd as modified do not disclose using of a twisted pair for providing a power supply signal. The applicant's argument is not persuasive because the claim 1 claims "or similar" at line 8.

The examiner maintains the rejection as set forth above.

Art Unit: 2644

4. **THIS ACTION IS MADE FINAL.** Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire **THREE MONTHS** from the mailing date of this action. In the event a first reply is filed within **TWO MONTHS** of the mailing date of this final action and the advisory action is not mailed until after the end of the **THREE-MONTH** shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than **SIX MONTHS** from the mailing date of this final action.

5. Any inquiry concerning this communication or earlier communication from the examiner should be directed to **Minsun Oh Harvey** whose telephone number is **(703) 308-6741**.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, **Bill Isen**, can be reached at **(703) 305-4386**.

Any response to this action should be mailed to:

Commissioner of Patents and Trademarks

Washington, D.C. 20231

Application/Control Number: 09/485,657

Page 5

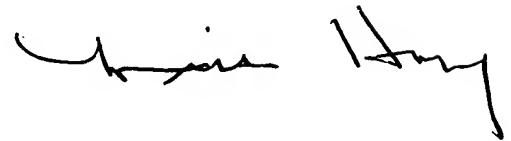
Art Unit: 2644

Or faxed to:

(703) 872-9314 (for Technology Center 2600 only)

Hand-delivered responses should be brought to Crystal Park II, 2121 Crystal Drive,
Arlington, VA, Sixth Floor (Receptionist)

Any inquiry of general nature or relating to the status of this application or proceeding
should be directed to the Technology Center 2600 Customer Service Office whose telephone
number is (703) 306-0377.



**MINSUN OH HARVEY
PRIMARY EXAMINER**